## SIEMENS

## Data sheet

## 3RT2026-1AL20



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 230 V AC, 50 / 60 Hz, 3-pole, Size S0, screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	SO
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	10.5 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	40 A
• at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	20.2 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	12.9 A
<ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	13.5 A
— up to 400 V for current peak value n=30 rated value	13.5 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	13.5 A
up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	10 mm <sup>2</sup>
cycles at AC-4	
at 400 V rated value	9 A
• at 690 V rated value	9 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
- at 24 V rated value	35 A
— at 110 V rated value	35 A 35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

- at 24 V rated value         35 Å           - at 22 V rated value         35 Å           - at 22 V rated value         35 Å           - at 24 V rated value         29 Å           - at 24 V rated value         29 Å           - at 24 V rated value         29 Å           - at 24 V rated value         20 Å           - at 24 V rated value         20 Å           - at 24 V rated value         20 Å           - at 24 V rated value         0.00 Å           - at 24 V rated value         0.00 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.16 Å           - at 240 V rated value         0.6 Å           - at 230 V rated value         0.6 Å           - at 230 V rated value         0.6 Å           - at 230 V rated value         1.1 kW           - at 230 V rated value         5.5 kW           - at 230 V rated value         1.1 kW		
<ul> <li>af 20 Y rady value</li> <li>af 85 Å</li> <li>af 800 Y rady value</li> <li< td=""><td>— at 24 V rated value</td><td>35 A</td></li<></ul>	— at 24 V rated value	35 A
- all 440 Yradd value29.A- all 420 Yradd value14.A- all 24V radd value20.A- all 14V radd value20.A- all 24V radd value20.A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 250 Yradd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.09 A- all 24V radd value0.50 A- all 25V radd value0.56 A- all 25V radd value0.60 A- all 250 Vradd value0.56 A- all 250 Vradd value11 KW- all 250 Vradd value13 SA- all 250 Vradd va		
• at 1 current path at DC-3 at DC-5- at 24 V rade Value25 A- at 25 V rade Value25 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 20 V rade Value0.99 A- at 24 V rade Value35 A- at 25 V rade Value35 A- at 26 V rade Value0.16 A- at 27 V rade Value0.16 A- at 40 V rade Value0.16 A- at 40 V rade Value35 A- at 40 V rade Value0.16 A- at 40 V rade Value35 A- at 410 V rade Value0.6 A- at 220 V rated value10 A- at 410 V rade Value10 A- at 420 V rade Value10 A- at 420 V rade Value10 A- at 420 V rade Value15 A- at 420 V rade Value16 A- at 420 V rade Value11 KW- at 420 V rade Value11 KW- at 420 V rated Value12 K VA- at 400 V rated Value13 KVA- at 400 V rated Value14 KVA- at 600 V rated Value14 KW- at 600 V rated Value12 K VA- a	— at 440 V rated value	
- at 20 V rated value20 A- at 100 V rated value2.5 A- at 420 V rated value0.09 A- at 440 V rated value0.09 A- at 420 V rated value0.06 A- at 420 V rated value35 A- at 24 V rated value35 A- at 240 V rated value36 A- at 250 V rated value0.6 A- at 250 V rated value0.6 A- at 260 V rated value0.6 A- at 270 V rated value10 A- at 280 V rated value11 kW- at 200 V rated value55 kW- at 200 V rated value11 kW- at 200 V rated value11 kW- at 200 V rated value12 kW- at 200 V rated value13 kVA- at 200 V rated value n=20 rated value14 kW- at 690 V rated value n=20 rated value15 kVA- at 690 V rated value n=20 rated value15 kVA- at 690 V fracternet paek value n=20 rated		1.4 A
-25 Å-at 200 V rated value0.00 Å-at 440 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value0.00 Å-at 600 V rated value35 Å-at 200 V rated value0.16 Å-at 700 V rated value0.16 Å-at 600 V rated value0.16 Å-at 600 V rated value0.16 Å-at 400 V rated value0.16 Å-at 400 V rated value0.6 Å-at 400 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value0.6 Å-at 20 V rated value10 Å-at 20 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value11 KW-at 60 V rated value11 KW-at 60 V rated value55 KW-at 60 V rated value55 KW-at 60 V rated val	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
- at 200 Y rated value1 A- at 440 V rated value0.06 A- at 600 V rated value0.06 A- at 24 V rated value0.06 A- at 24 V rated value0.6 A- at 24 V rated value15 A- at 24 V rated value0.27 A- at 600 V rated value0.27 A- at 600 V rated value0.16 A- at 24 V rated value35 A- at 24 V rated value0.16 A- at 24 V rated value0.6 A- at 20 V rated value0.6 A- at 24 V rated value0.6 A- at 24 V rated value10 A- at 24 V rated value10 A- at 250 V rated value10 A- at 250 V rated value10 A- at 250 V rated value11 KW- at 650 V rated value15 KW- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA- at 650 V rated value16 KWA <td>— at 24 V rated value</td> <td></td>	— at 24 V rated value	
	— at 110 V rated value	2.5 A
	— at 220 V rated value	1 A
• with 2 current paths in series at DC-3 at DC-535 A- at 24 V rated value35 A- at 220 V rated value37 A- at 220 V rated value37 A- at 240 V rated value35 A- at 240 V rated value36 A- at 240 V rated value36 A- at 220 V rated value10 A- at 220 V rated value6 A- at 220 V rated value6 A- at 230 V rated value11 kW- at 230 V rated value13 S KVA- at 630 V rated value13 kVA- at 630 V rated value13 kVA- at 630 V rated value13 kVA- at 630 V rated value =20 rated value13 kVA- at 630 V rated value =20 rated value13 kVA- at 630 V rated value =20 rated value13 kVA- at 630 V rated value =20 rated value13 kVA- at 630 V rated value =20 rated value13 kVA- at 640 V frace ratel sevalue =20 rate	— at 440 V rated value	
	— at 600 V rated value	0.06 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	
	— at 110 V rated value	15 A
	— at 220 V rated value	3 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>- at 24 V rated value</li> <li>- at 24 V rated value</li> <li>- at 220 V rated value</li> <li>- at 220 V rated value</li> <li>- at 240 V rated value</li> <li>- at 240 V rated value</li> <li>- at 240 V rated value</li> <li>- at 440 V rated value</li> <li>- at 440 V rated value</li> <li>- at 400 V rated value</li> <li>- at 400 V rated value</li> <li>- at 230 V rated value</li> <li>- at 360 V rated value</li> <li>- at 860 V rated value</li> <li>- 17 kWA</li> <li>- up to 200 V for current peak value n=20 rated value</li> <li>- 18 k</li></ul></li></ul>	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	
	— at 110 V rated value	35 A
	— at 220 V rated value	10 A
operating power <ul> <li>at AC-3</li> <li>at AC -3e</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at AC -3e</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at AC -3e</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at 500 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 400 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at WW</li> <li>at 600 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 600 V for current peak value n=20 rated value</li> <li>at 600 V for current peak value n=20 rated value</li> <li>at 600 V for current peak value n=20 rated value</li> <li>by to 230 V for current peak value n=20 rated value</li> <li>by to 230 V for current peak value n=30 rated value</li> <li>by to 230 V for current peak value n=30 rated value</li> <li>by to 230 V for current peak value n=30 rated value</li> <li>by to 400 V for current peak value n=30 rated value</li> <li>by to 580 V for current peak value n=30 rated value</li> <li>by to 580 V for current peak value n=30 rated value</li></ul>	— at 440 V rated value	0.6 A
• at AC-35.5 kW- at 230 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 230 V rated value11 kW- at 400 V rated value11 kW- at 690 V rated value24 kW- at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 230 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 530 V for current peak value n=30 rated value15.4 kVAoperating apparent power at AC-6a9.3 kVA- up to 500 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state11 kVA- up to 600 V for current peak value n=30 rated value290 A; Use minimum cross-section acc. to AC-1 rated value- limited to 1 s switching at zero current maximum16 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum16 A; Use minimum cross-section acc. to AC-1 rated value- limited to 10 s switching at zero current maximum16 A; Use minimum cross	— at 600 V rated value	0.6 A
	operating power	
at 400 V rated value11 kW at 500 V rated value11 kW at 600 V rated value11 kW at 230 V rated value5.5 kW at 400 V rated value11 kW at 600 V rated value4.4 kW at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value8 kVA up to 230 V for current peak value n=20 rated value15.4 kVA operating apparent power at AC-6a5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value5.3 kVA up to 690 V for current peak value n=30 rated value11.6 kVA up to 690 V for current peak value n=30 rated value13.5 kVA up to 690 V for current peak value n=30 rated value12.5 kVA enting apparent power at AC-6a375 A; Use minimum cross-section acc. to AC-1 rated value enting ta zero current maximum11.6 kVA enting at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value enting ta zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value enting ta zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value entarkinum-	• at AC-3	
at 500 V rated value11 kW at 690 V rated value11 kW• at AC-3e at 230 V rated value5.5 kW at 400 V rated value11 kW at 500 V rated value11 kW at 630 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 530 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 530 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 40 °C imined to 1 s switching at zero current maximum imined to 1 s switching at zero current maximum imined to 50 s switching at zero current maximum limited to 50 s	— at 230 V rated value	5.5 kW
at 690 V rated value11 kW• at AC-3e at 230 V rated value55 kW at 400 V rated value11 kW at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA up to 230 V for current peak value n=20 rated value13.9 kVA up to 690 V for current peak value n=20 rated value15.4 kVA up to 690 V for current peak value n=30 rated value15.4 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 500 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value9.3 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 600 V for current peak value n=30 rated value10.6 kVA up to 60°C	— at 400 V rated value	11 kW
• at AC-3e- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 600 V rated value4.4 kW- at 600 V rated value7.7 kWoperating apparent power at AC-6a8 kVA- up to 230 V for current peak value n=20 rated value13.9 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value15.4 kVA- up to 230 V for current peak value n=20 rated value5.3 kVA- up to 230 V for current peak value n=20 rated value15.4 kVA- up to 500 V for current peak value n=20 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value5.3 kVA- up to 500 V for current peak value n=30 rated value11.6 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.5 kVA- up to 500 V for current peak value n=30 rated value15.6 kVA- up to 500 V for current peak value n=30 rated value15.4 kVA	— at 500 V rated value	11 kW
- at 230 V rated value5.5 kW- at 400 V rated value11 kW- at 500 V rated value11 kW- at 690 V rated value11 kW- at 690 V rated value11 kWoperating power for approx. 200000 operating cycles at AC-44.4 kW• at 400 V rated value7.7 kWoperating apparent power at AC-5a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=20 rated value15.4 kVAoperating apparent power at AC-6a8 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current meak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value12.5 kVA• up to 690 V for current peak value n=30 rated value10.6 kVA• up to 690 V for current maximum11.6 kVA• limited to 1 s switching at zero current maximum13.5 kVA• limited to 10 s switching at zero current maximum12.6 kVA• limited to 10 s switching at zero	— at 690 V rated value	11 kW
at 400 V rated value11 kW at 500 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW at 690 V rated value11 kW• at 400 V rated value4.4 kW• at 690 V rated value4.4 kW• at 690 V rated value7.7 kW• operating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value8 kVA• up to 690 V for current peak value n=20 rated value17.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128	• at AC-3e	
at 500 V rated value11 kW at 690 V rated value11 kWoperating power for approx. 200000 operating cycles at AC-411 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value12.8 kVA• up to 690 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• up to 690 V for current peak value n=10 current maximum12.8 k.VA• limited to 1 s switching at zero current maximum21.8 k.VB eminimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum100 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating power for approx. 20000 operating cycles at AC-44.4 kW• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 500 V for current peak value n=20 rated value15.4 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 230 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 500 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value15.5 kVA• up to 600 V for current peak value n=30 rated value10.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 600 V for current peak value n=30 rated value12.5 kVA• up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at ACat AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h	— at 500 V rated value	11 kW
at AC-4A A W• at 400 V rated value4.4 kW• at 690 V rated value7.7 kWoperating apparent power at AC-6a8 kVA• up to 230 V for current peak value n=20 rated value8 kVA• up to 500 V for current peak value n=20 rated value13.9 kVA• up to 690 V for current peak value n=20 rated value15.4 kVA• up to 500 V for current peak value n=20 rated value5.3 kVA• up to 690 V for current peak value n=30 rated value5.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value15.5 kVA• up to 690 V for current peak value n=30 rated value128 X/L• up to 600 V for current peak value n=30 rated value200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current m	— at 690 V rated value	11 kW
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• up to 230 V for current peak value n=30 rated value5.3 kVA• up to 400 V for current peak value n=30 rated value9.3 kVA• up to 500 V for current peak value n=30 rated value11.6 kVA• up to 690 V for current peak value n=30 rated value15.5 kVAshort-time withstand current in cold operating state15.5 kVA• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum100 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>the KVA</li> <li>short-time withstand current in cold operating state</li> <li>up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching a</li></ul>		5.3 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 690 V for current peak value n=30 rated value</li> <li>to 60 °C</li> <li>to 40 °C<td></td><td>9.3 kVA</td></li></ul>		9.3 kVA
short-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum1 000 1/h • 1 000 1/h • 750 1/h		11.6 kVA
short-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum1 000 1/h • 1 000 1/h • 750 1/h		15.5 kVA
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum<td>short-time withstand current in cold operating state</td><td></td></li></ul>	short-time withstand current in cold operating state	
<ul> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>128 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>106 A; Use minimum cross-section acc. to AC-1 rated value</li> <li>1000 1/h</li> <li>at AC-2 maximum</li> <li>750 1/h</li> </ul>	<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	375 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value 106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency • at AC5000 1/hoperating frequency • at AC-1 maximum1000 1/hot AC-2 maximum750 1/h	<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	299 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency5 000 1/h• at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency• at AC5 000 1/hoperating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	128 A; Use minimum cross-section acc. to AC-1 rated value
• at AC5 000 1/hoperating frequency1 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	106 A; Use minimum cross-section acc. to AC-1 rated value
operating frequency• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h	no-load switching frequency	
• at AC-1 maximum         1 000 1/h           • at AC-2 maximum         750 1/h	• at AC	5 000 1/h
• at AC-2 maximum 750 1/h	operating frequency	
	• at AC-1 maximum	1 000 1/h
• at AC-3 maximum 750 1/h	• at AC-2 maximum	750 1/h
	<ul> <li>at AC-3 maximum</li> </ul>	750 1/h

A AC-4 maximum     20 th     A AC     A maximum     20 th     Control supply voltage of the control supply voltage     AC     Control supply voltage at AC     of 50 fracted value     230 V     ot 10 fracted value     af 50 fract     ot 10 fracted value     af 50 fracted	• at AC-3e maximum	750 1/h
Control closely control supply voltage at AC         200 V           • et 30 Hz inted value         200 V           • et 30 Hz         0.8 1.1           • et 30 Hz         0.7 2           • et 30 Hz         0.7 4           • et 30 Hz         0.5 VA           • et 30 Hz         0.25           • et 30 Hz		
Type of voltage of the control supply voltage         AC           control supply voltage at AC         230 V           • # 60 Fiz intel value         0.8 1.1           • # 60 Fiz         0.72           • # 60 Fiz         0.5 VA           • # 60 Fiz         0.25           • • 610 Fiz         0.25           • • 610 Fiz         0.28           • 610 Fiz         0.4           • 610 Fiz		250 1/11
control supply voltage at AC       230 V         • • at 60 Hz rated value       230 V         • • at 60 Hz rated value       230 V         • • at 60 Hz       0.8 1.1         • • at 60 Hz       0.72         • • at 60 Hz       0.74         • • at 60 Hz       0.5 VA         Inductive power factor with the holding power of the coil       0.5 VA         Inductive power factor with the holding power of the coil       0.10 SVA         • • at 60 Hz       0.25         • • at 60 Hz       0.28         closing delay       • at AC         • • at AC       8 40 ms         oponing delay       • at AC         • • at AC       1 16 ms         arcing time       10 10 ms         Control to rauxillary contracts       1         number of NC contracts for auxillary contracts       1         natananocos contret		
• at 60 Hz rated value     230 V       operating range factor control supply voltage rated value of magnet coll at AC     0.811       • at 60 Hz     0.81.1       • at 60 Hz     0.72       • at 60 Hz     0.74       • at 60 Hz     0.74       • at 60 Hz     0.5 VA       • at 60 Hz     0.5 VA       • at 60 Hz     0.28       • at AC     4 16 ms       • at AC     4 16 ms       • at AC     1 10 ms       • at AC     1 10 ms       • at 60 Vz rated value     1.       • at 20 V rated value		AC
• at 01 htz rated value     230 V       operating rappe factor control supply voltage rated     • at 60 htz       • at 60 htz     0.81.1       • at 60 htz     0.72       • at 60 htz     0.72       • at 60 htz     0.72       • at 60 htz     0.74       • at 60 htz     0.74       • at 60 htz     0.74       • at 60 htz     0.5 VA       • at 60 htz     0.25       • at 60 htz     0.25       • at 60 htz     0.28       • ot 60 htz     0.10 ms       • at AC     4 10 ms       • at AC     1       • at AC     1       • at AC     1       • at AC     1       • at 30 V rade value     3A       • at 30 V rade value     3A       • at 300 V rade value     3A       • at 3		
operating range factor control supply voltage rated value of magnet coil at AC         0.811           • at 60 Hz         0.72           • at 60 Hz         0.5 VA           • at 60 Hz         0.25           • at 60 Hz         0.25           • at 60 Hz         0.25           • at 60 Hz         0.28           • at 60 Hz         0.28           • at 80 Hz         0.10 Ms           • at 80 Hz         0.10 Ms           • at 80 V rated value         1		
value of magnet coil at AC at 60 hz at 60 hz by A at 60 hz at 60 hz at 60 hz by A at 60 hz at 60 hz by A at 60 hz at 60 hz by A at 60 hz by A at 60 hz at 60 hz by A at 60 hz at 70 hz at 60 hz at 70 hz at		230 V
• at 50 ½     0.811       apparent pLok-up power of magnet coll at AC     0.851.1       • at 50 ½     81 VA       • at 50 ½     79 VA       inductive power factor with closing power of the coll     72       • at 60 ½     72       • at 60 ½     0.72       • at 60 ½     0.74       • at 50 ½     0.5 VA       • at 60 ½     0.72       • at 60 ½     0.25       • at 60 ½     0.25       • at 60 ½     0.26       • at 60 ½     0.27       • at 60 ½     0.28       • at 60 ½     0.10 ms       • at 60 ½     0.10 ms <td></td> <td></td>		
• at 60 Hz     0.85 1.1       apparent pick-up power of magnet coll at AC     at 00 Hz       • at 50 Hz     79 VA       inductive power factor with closing power of the coll     0.72       • at 50 Hz     0.74       apparent holding power of magnet coll at AC     0.74       • at 50 Hz     0.74       apparent holding power of magnet coll at AC     0.74       • at 60 Hz     0.74       • at 60 Hz     0.5 VA       Inductive power factor with the holding power of the coll     0.5 VA       id to 0 Hz     0.28       closing datay     0.28       • at AC     0.28       closing datay     4 16 ms       • at AC     0.10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of AC contacts for auxiliary contacts     1       Instantaneous contact     1       Instantaneous contacts     1       operational current at AC-12 maximum     10 A       ot at 300 V rated value     1A       operational current at AC-12 maximum     10 A       ot at 500 V rated value	-	0.0 4.4
apparent pick-up power of magnet coil at AC       8         • at 50 Hz       79 VA         Inductive power factor with closing power of the coil       72         • at 60 Hz       0.72         • at 60 Hz       0.72         • at 60 Hz       0.74         apparent holding power of magnet coil at AC       0.74         • at 60 Hz       0.5 VA         • at 60 Hz       0.25         • at 60 Hz       0.25         • at 60 Hz       0.26         • at 80 Hz       0.28         • at 80 Hz       0.10 ms         fistantaneous contat       1         number of NC		
ait 50 Hz     B1 VA       ait 50 Hz     79 VA       Inductive power factor with closing power of the coll     0.72       ait 50 Hz     0.74       apparent holding power of magnet coll at AC     0.5 VA       ait 50 Hz     0.74       apparent holding power factor with the holding power of the coll     0.5 VA       ait 50 Hz     0.5 VA       ait 50 Hz     0.25       ait 50 Hz     0.28       closing delay     0.4       ait 70 Hz     0.28       closing delay     0.10 ms       carcing time     1010 ms       control version of the switch operating mechanism     Multiavy circuit       mumber of NC contexts for auxiliary contexts     1       mistanianeous context     1       number of NC contexts for auxiliary contexts     1       mistanianeous context     1       operational current at AC-15     10 A       operational current at AC-15     10 A       operational current at AC-15     10 A       operational current at AC-12 maximum     10 A       operational current at AC-12     0.4       ait 600 V rated value     10 A       operational current at AC-15     0.4       ait 600 V rated value     10 A       ait 600 V rated value     10 A       ait 80 V ra		0.85 1.1
• at 60 Hz     79 VA       inductive power factor with closing power of the coil     0.72       • at 60 Hz     0.74       apparent holding power of magnet coil at AC     0.5 VA       • at 60 Hz     0.25       • at 60 Hz     0.25       • at 60 Hz     0.26       closing delay     0.28       • at AC     8 40 ms       opening the     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       nistantaneous contact     1       number of NC contacts for auxiliary contacts     1       nistantaneous contact     1       operational current at AC-12     1       • at 800 V rated value     3 A		04.1/4
inductive power factor with closing power of the coil       0.72         • at 50 Hz       0.74         apparent holding power of magnet coil at AC       0.5 VA         • at 50 Hz       0.5 VA         • at 60 Hz       0.25         • at 60 Hz       0.28         closing delay       8 40 ms         • at AC       4 16 ms         • at AC       4 16 ms         opening delay       10 10 ms         • at AC       1         • opening delay       11         • at AC       1         opening delay       1010 ms         control version of the switch operating mechanism       Standard A1 - A2         Auximary circuit       10         number of NC contacts for auxiliary contacts       1         instanaeous contact       1         operational current at AC-15       10 A		
• at 50 Hz         0.72           • at 60 Hz         0.74           • at 50 Hz         0.5 VA           • at 50 Hz         10.5 VA           • at 60 Hz         8.5 VA           Inductive power factor with the holding power of the coll         0.25           • at 60 Hz         0.25           • at 60 Hz         0.25           • at 60 Hz         0.26           closing delay         0.4           • at AC         4 16 ms           arcing time         10 10 ms           control version of the switch operating mechanism         Standard A1 - A2           Auxiliary decat         1           number of NC contacts for auxiliary contacts         1           instantaneous contact         1           operational current at AC-12 maximum         10 A           ot 200 V rated value         2 A           • at 200 V rated value         1 A           operational current at AC-12 max		79 VA
• at 60 Hz     0.74       apparent holding power of magnet coil at AC     0.5 VA       • at 60 Hz     0.5 VA       • at 60 Hz     0.25       • at 60 Hz     0.28       closing delay     0.28       • at AC     8 40 ms       opening delay     4 16 ms       • at AC     8 40 ms       opening delay     4 16 ms       • at AC     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     10 10 ms       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-15     1       • at 300 V rated value     10 A       operational current at AC-15     1       • at 300 V rated value     1A       operational current at AC-15     1       • at 300 V rated value     1A       operational current at AC-15     1       • at 400 V rated value     1A       operational current at AC-16     1A       • at 200 V rated value     1A       operational current at AC-15     1       • at 200 V rated value     1A       operational current at AC-16     1A       • at 20 V rated value     1A       operational current at DC-		
apparent holding power of magnet coil at AC       10.5 VA         • at 60 Hz       8.5 VA         inductive power factor with the holding power of the coll       0.25         • at 60 Hz       0.28         • closing delay       0.28         • at AC       0.28         opening delay       0.10 ms         • at AC       4 16 ms         arcing time       10 10 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxiliary circuit       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         operational current at AC-15       1         • at 360 V rated value       3A         • at 360 V rated value       1A         operational current at AC-12 maximum       10 A         operational current at AC-15       1         • at 360 V rated value       2A         • at 360 V rated value       1A         operational current at DC-12       1A         • at 360 V rated value       1A         operational current at DC-12       1A         • at 46 V rated value       2A         • at 46 V rated value       2A         • at 60 V rated value <td< td=""><td></td><td></td></td<>		
• at 50 Hz       10.5 VA         • at 60 Hz       8.5 VA         inductive power factor with the holding power of the coil       0.25         • at 60 Hz       0.28         closing delay       0.28         • at AC       8 40 ms         opening delay       10 10 ms         • at AC       10 10 ms         arcing time       10 10 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxiliary circuit       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 500 V rated value       1A         • at 600 V rated value       1A         operational current at DC-12       • at 48 V rated value         • at 600 V rated value       1A         operational current at DC-13       0A         • at 600 V rated value       1A         • at 600 V rated value       1A<		0.74
• at 60 Hz     8.5 VA       inductive power factor with the holding power of the coll     0.25       • at 60 Hz     0.26       closing delay     0.28       • at AC     840 ms       opening delay     416 ms       arcing time     1010 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1010 ms       number of NC contacts for auxiliary contacts     1       nistantaneous contact     1       number of NC contacts for auxiliary contacts     1       number of NC contacts for auxiliary contacts     1       operational current at AC-12 maximum     10 A       et 300 V rated value     2 A       et 4500 V rated value     3 A       et 4500 V rated value     1 A       operational current at DC-12     1 A       et 300 V rated value     3 A       et 310 V rated value     6 A       et 600 V rated value     1 A       et 300 V rated value     1 A       et 320 V rated val		
Inductive power factor with the holding power of the coll       0.25         • at 60 Hz       0.25         closing delay       0.28         • at AC       8 40 ms         opening delay       4 16 ms         • at AC       4 16 ms         arcing time       10 10 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxillary circuit       10 10 ms         number of NC contacts for auxiliary contacts       1         instantaneous contact       10 A         operational current at AC-12 maximum       10 A         operational current at AC-15       1         • at 200 V rated value       3 A         • at 800 V rated value       1 A         operational current at DC-12       1         • at 80 V rated value       6 A         • at 210 V rated value       3 A         • at 22 V rated value       1 A         operational current at DC-12       6 A         • at 24 V rated value       6 A         • at 25 V rated value       1 A         • at 24 V rated value       2 A         • at 25 V rated value       2 A         • at 24 V rated value       2 A         • at 20 V rated value       <		
coil     0.25       • at 60 Hz     0.26       • et 60 Hz     0.28       • et AC     8 40 ms       • et AC     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 230 V rated value     3 A       • at 300 V rated value     1 A       • at 200 V rated value     1 A       • at 210 V rated value     1 A       • at 220 V rated value     1 A       • at 230 V rated value     1 A       • at 24 V rated value     1 A       • at 250 V rated value     1 A       • at 260 V rated value     1 A       • at 27 V rated value     1 A       • at 28 V rated value     1 A       • at 29 V rated value     2 A       • at 20 V rated value     2 A       • at 20 V rated value     2 A <td></td> <td>8.5 VA</td>		8.5 VA
• at 50 Hz     0.25       • at 60 Hz     0.28       • et AC     8 40 ms       opening delay     4 16 ms       • at AC     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     10 A       operational current at AC-15     1       • at 230 V rated value     10 A       • at 600 V rated value     3 A       • at 600 V rated value     1 A       • operational current at DC-12     1       • at 600 V rated value     6 A       • at 80 V rated value     1 A       • at 600 V rated value     3 A       • at 600 V rated value     1 A       • at 600 V rated value     6 A       • at 24 V rated value     10 A       • at 25 V rated value     1 A       • at 600 V rated value     2 A       • at 80 V rated value     2 A       • at 24 V rated value     1 A       • at 25 V rated value     1 A       • at 26 V rated value     1 A       • at 20 V rated value     2 A       • at 20 V rated value     2 A       • at 20 V rated value     3 A <td></td> <td></td>		
• at 60 Hz     0.28       closing delay     840 ms       • at AC     416 ms       arcing time     1010 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 230 V rated value     10 A       • at 230 V rated value     10 A       • at 600 V rated value     3 A       • at 600 V rated value     10 A       • at 230 V rated value     10 A       • at 24 V rated value     10 A       • at 250 V rated value     10 A       • at 600 V rated value     3 A       • at 600 V rated value     6 A       • at 10 V rated value     10 A       • at 24 V rated value     10 A       • at 25 V rated value     10 A       • at 26 V rated value     10 A       • at 27 V rated value     10 A       • at 28 V rated value     10 A       • at 29 V rated value     10 A       • at 40 V rated value     10 A       • at 20 V rated value     10 A       • at 20 V rated value     10 A       • at 20		0.05
closing delay     a: AC     840 ms       opening delay     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     00A       operational current at AC-15     10A       • at 230 V rated value     3A       • at 230 V rated value     1A       • at 600 V rated value     3A       • at 600 V rated value     1A       • at 600 V rated value     1A       • at 220 V rated value     1A       • at 24 V rated value     6A       • at 100 V rated value     1A       • at 220 V rated value     1A		
• et AC     8 40 ms       opening delay     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 230 V rated value     3 A       • at 600 V rated value     2 A       • at 600 V rated value     10 A       • at 600 V rated value     2 A       • at 800 V rated value     10 A       • at 800 V rated value     1 A       • at 800 V rated value     1 A       • at 10 V rated value     1 A       • at 232 V rated value     1 A       • at 230 V rated value     1 A       • at 600 V rated value     1 A       • at 820 V rated value     1 A       • at 820 V rated value     1 A       • at 800 V rated value     1 A       • at 800 V rated value     1 A       • at 800 V rated value     1 A       • at 80 V rated value     1 A       •		0.28
opening delay     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     10 A       • at 230 V rated value     3 A       • at 600 V rated value     1 A       operational current at DC-12     6 A       • at 60 V rated value     1 A       operational current at DC-12     6 A       • at 60 V rated value     1 A       operational current at DC-12     1 A       • at 60 V rated value     1 A       operational current at DC-12     6 A       • at 60 V rated value     1 A       operational current at DC-13     1 A       • at 60 V rated value     2 A       • at 220 V rated value     2 A       • at 24 V rated value     2 A       • at 600 V rated value     1 A       operational current at DC-13     1 A       • at 220 V rated value     2 A       • at 220 V rated value     2 A       • at 220 V rated value     3 A       • at 1220 V rated value     3 A       • at 1220 V rated value </td <td></td> <td>0</td>		0
• at AC     4 16 ms       arcing time     10 10 ms       control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit     1       number of NC contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12 maximum     10 A       operational current at AC-15     1       • at 230 V rated value     10 A       • at 500 V rated value     3 A       • at 600 V rated value     1 A       operational current at DC-12     0       • at 400 V rated value     6 A       • at 400 V rated value     6 A       • at 600 V rated value     1 A       operational current at DC-12     0 A       • at 24 V rated value     6 A       • at 250 V rated value     6 A       • at 260 V rated value     1 A       operational current at DC-12     0 A       • at 260 V rated value     1 A       • at 270 V rated value     6 A       • at 280 V rated value     1 A       • at 280 V rated value     2 A       • at 280 V rated value     2 A       • at 280 V rated value     2 A       • at 280 V rated value     1 A       • at 280 V rated value     2 A       • at 280 V rated value     2 A </td <td></td> <td>8 40 ms</td>		8 40 ms
arcing time       1010 ms         control version of the switch operating mechanism       Standard A1 - A2         Auxillary circuit       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       1         • at 230 V rated value       10 A         • at 400 V rated value       1 A         operational current at DC-12       1 A         • at 600 V rated value       1 A         operational current at DC-12       0 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 10 V rated value       6 A         • at 20 V rated value       1 A         operational current at DC-12       0 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 210 V rated value       1 A         operational current at DC-13       0 A         • at 24 V rated value       1 A         • at 24 V rated value       1 A         • at 24 V rated value       0 A         • at 24 V rated value       0 A         • at 24 V rated value <t< td=""><td></td><td>4 40</td></t<>		4 40
Control version of the switch operating mechanism     Standard A1 - A2       Auxiliary circuit       number of NC contacts for auxiliary contacts     1       number of NO contacts for auxiliary contacts     1       instantaneous contact     1       operational current at AC-12     1       • at 230 V rated value     10 A       • at 400 V rated value     2 A       • at 500 V rated value     10 A       • at 690 V rated value     2 A       • at 690 V rated value     6 A       • at 48 V rated value     6 A       • at 125 V rated value     1 A       operational current at DC-12     • 1 A       • at 24 V rated value     6 A       • at 125 V rated value     1 A       • at 120 V rated value     2 A       • at 120 V rated value     1 A       • at 24 V rated value     1 A       • at 25 V rated value     1 A       • at 120 V rated value     2 A       • at 120 V rated value     2 A       • at 24 V rated value     1 A       • at 24 V rated value     2 A       • at 24 V rated value     1 A       • at 25 V rated value     1 A       • at 120 V rated value     1 A       • at 24 V rated value     1 A       • at 24 V rated value     1 A <t< td=""><td></td><td></td></t<>		
Auxiliary circuit         number of NC contacts for auxiliary contacts instantaneous contact       1         number of NO contacts for auxiliary contacts instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       1         • at 230 V rated value       10 A         • at 400 V rated value       2 A         • at 690 V rated value       1 A         operational current at DC-12       10 A         • at 690 V rated value       1 A         operational current at DC-12       0 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 60 V rated value       1 A         operational current at DC-12       0 A         • at 60 V rated value       6 A         • at 60 V rated value       6 A         • at 60 V rated value       1 A         operational current at DC-13       0 A         • at 60 V rated value       1 A         operational current at DC-13       0 A         • at 60 V rated value       1 A         • at 60 V rated value       2 A         • at 40 V rated value       0 A         • at 22 V rated value       0 A         • at 10 V rated		
number of NC contacts for auxiliary contacts       1         instantaneous contact       1         number of NC contacts for auxiliary contacts       1         instantaneous contact       10 A         operational current at AC-12 maximum       10 A         • at 230 V rated value       3 A         • at 400 V rated value       3 A         • at 690 V rated value       1 A         operational current at DC-12       10 A         • at 40 V rated value       1 A         operational current at DC-12       1 A         • at 49 V rated value       6 A         • at 49 V rated value       6 A         • at 10 V rated value       1 A         operational current at DC-12       1 A         • at 20 V rated value       6 A         • at 20 V rated value       1 A         operational current at DC-13       1 A         • at 20 V rated value       1 A         • at 600 V rated value       1 A         • at 20 V rated value       1 A         • at 20 V rated value       1 A         • at 20 V rated value       1 A         • at 40 V rated value       2 A         • at 40 V rated value       2 A         • at 20 V rated value       2 A		Standard A1 - A2
Instantaneous contact     1       number of NO contacts for auxiliary contacts     1       operational current at AC-12 maximum     10 A       operational current at AC-15     10 A       • at 230 V rated value     10 A       • at 400 V rated value     2 A       • at 690 V rated value     10 A       operational current at DC-12     10 A       • at 690 V rated value     1 A       operational current at DC-12     10 A       • at 48 V rated value     6 A       • at 60 V rated value     6 A       • at 24 V rated value     1 A       operational current at DC-12     10 A       • at 24 V rated value     6 A       • at 24 V rated value     1 A       • at 25 V rated value     1 A       • at 25 V rated value     2 A       • at 260 V rated value     1 A       • at 260 V rated value     2 A       • at 270 V rated value     1 A       • at 260 V rated value     2 A       • at 600 V rated value     0.1 A		
number of NO contacts for auxiliary contacts instantaneous contact       1         operational current at AC-12 maximum       10 A         operational current at AC-15       10 A         • at 230 V rated value       10 A         • at 400 V rated value       3 A         • at 600 V rated value       2 A         • at 600 V rated value       10 A         operational current at DC-12       10 A         • at 640 V rated value       6 A         • at 48 V rated value       6 A         • at 48 V rated value       6 A         • at 220 V rated value       10 A         • at 24 V rated value       6 A         • at 25 V rated value       10 A         • at 20 V rated value       10 A         • at 220 V rated value       10 A         • at 220 V rated value       10 A         • at 220 V rated value       10 A         • at 600 V rated value       10 A         • at 48 V rated value       2 A         • at 48 V rated value       10 A         • at 220 V rated value       10 A         • at 60 V rated value       2 A         • at 60 V rated value       2 A         • at 60 V rated value       1 A         • at 60 V rated value       0.3 A<	number of NC contacts for conditions contacts	
instantaneous contact     operational current at AC-12 maximum     10 A       operational current at AC-15     10 A       • at 230 V rated value     3 A       • at 500 V rated value     2 A       • at 690 V rated value     10 A       • at 690 V rated value     1 A       operational current at DC-12     10 A       • at 48 V rated value     10 A       • at 48 V rated value     6 A       • at 60 V rated value     6 A       • at 22 V rated value     10 A       • at 22 V rated value     2 A       • at 22 V rated value     2 A       • at 600 V rated value     0.15 A       operational current at DC-13     10 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 25 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     0.9 A       • at 25 V rated value     0.1 A       • at 60 V rated value     0.1 A    <		1
operational current at AC-12 maximum10 Aoperational current at AC-1510 A• at 230 V rated value10 A• at 400 V rated value3 A• at 600 V rated value2 A• at 630 V rated value10 Aoperational current at DC-1210 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value6 A• at 220 V rated value2 A• at 25 V rated value10 A• at 20 V rated value6 A• at 10 V rated value2 A• at 20 V rated value2 A• at 20 V rated value1 A• at 20 V rated value2 A• at 20 V rated value1 A• at 20 V rated value2 A• at 212 V rated value1 A• at 600 V rated value2 A• at 600 V rated value2 A• at 220 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value2 A• at 25 V rated value2 A• at 10 V rated value2 A• at 25 V rated value0.9 A• at 25 V rated value0.3 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value1.1 A• at 600 V rated va	instantaneous contact	
operational current at AC-15• at 230 V rated value10 A• at 400 V rated value3 A• at 500 V rated value2 A• at 600 V rated value1 Aoperational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value2 A• at 220 V rated value1 A• at 220 V rated value1 A• at 220 V rated value0.15 Aoperational current at DC-1310 A• at 60 V rated value2 A• at 60 V rated value0.15 Aoperational current at DC-1310 A• at 60 V rated value2 A• at 220 V rated value1 A• at 60 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-130.15 A• at 25 V rated value2 A• at 60 V rated value0.9 A• at 220 V rated value0.3 A• at 60 V rated value0.1 A<	instantaneous contact number of NO contacts for auxiliary contacts	
• at 230 V rated value10 A• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 Aoperational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 110 V rated value2 A• at 220 V rated value10 A• at 24 V rated value2 A• at 25 V rated value2 A• at 200 V rated value10 A• at 200 V rated value10 A• at 200 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 60 V rated value10 A• at 24 V rated value0.15 Aoperational current at DC-130.15 A• at 60 V rated value10 A• at 60 V rated value2 A• at 60 V rated value2 A• at 60 V rated value1 A• at 25 V rated value0.9 A• at 20 V rated value0.3 A• at 60 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	1
• at 400 V rated value3 A• at 500 V rated value2 A• at 690 V rated value1 Aoperational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 48 V rated value6 A• at 10 V rated value3 A• at 110 V rated value2 A• at 220 V rated value10 A• at 220 V rated value0.15 A• operational current at DC-1310 A• at 600 V rated value0.15 A• at 24 V rated value2 A• at 24 V rated value10 A• at 24 V rated value0.15 A• operational current at DC-1310 A• at 24 V rated value0.15 A• at 24 V rated value2 A• at 24 V rated value10 A• at 24 V rated value0.15 A• operational current at DC-131 A• at 24 V rated value2 A• at 25 V rated value2 A• at 26 V rated value2 A• at 60 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	1
• at 500 V rated value2 A• at 690 V rated value1 Aoperational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value2 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-130 A• at 24 V rated value2 A• at 24 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-130 A• at 24 V rated value2 A• at 24 V rated value2 A• at 25 V rated value2 A• at 24 V rated value2 A• at 25 V rated value0.15 Aoperational current at DC-130 A• at 22 V rated value2 A• at 24 V rated value2 A• at 25 V rated value2 A• at 20 V rated value0.9 A• at 20 V rated value0.3 A• at 20 V rated value0.1 A• at 600 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratings1full-load current (FLA) for 3-phase AC motor1	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	1 10 A
• at 690 V rated value1 Aoperational current at DC-1210 A• at 24 V rated value6 A• at 48 V rated value6 A• at 60 V rated value3 A• at 110 V rated value2 A• at 220 V rated value1 A• at 60 V rated value1 A• at 220 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.15 Aoperational current at DC-1310 A• at 60 V rated value2 A• at 60 V rated value1 A• at 60 V rated value2 A• at 10 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 AContact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1 10 A 10 A
operational current at DC-12• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 48 V rated value2 A• at 60 V rated value10 A• at 60 V rated value2 A• at 22 V rated value10 A• at 24 V rated value2 A• at 25 V rated value2 A• at 60 V rated value2 A• at 60 V rated value1 A• at 60 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1 10 A 10 A 3 A
• at 24 V rated value10 A• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 24 V rated value2 A• at 48 V rated value2 A• at 600 V rated value2 A• at 24 V rated value0.15 Aoperational current at DC-1310 A• at 25 V rated value2 A• at 26 V rated value2 A• at 27 V rated value0.1 A• at 600 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A <td< td=""><td>instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value</td><td>1 10 A 10 A 3 A 2 A</td></td<>	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	1 10 A 10 A 3 A 2 A
• at 48 V rated value6 A• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value2 A• at 10 V rated value2 A• at 220 V rated value0.9 A• at 220 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value1 A• at 220 V rated value1.1 A• at 125 V rated value1.1 A• at 220 V rated value1.1 A• at 220 V rated value1.1 A• at 220 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value1.1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	1 10 A 10 A 3 A 2 A
• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 48 V rated value2 A• at 60 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 10 V rated value1 A• at 25 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	1 10 A 10 A 3 A 2 A 1 A
• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value2 A• at 48 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.15 A• at 24 V rated value0 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 A• contact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>1 A</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13         <ul> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 600 V rated value</li> <li>2 A</li> <li>at 24 V rated value</li> <li>0 A</li> <li>at 60 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>0.9 A</li> <li>at 600 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> </ul> </li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> </ul>	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.15 A</li> <li>operational current at DC-13         <ul> <li>at 24 V rated value</li> <li>10 A</li> <li>at 48 V rated value</li> <li>2 A</li> <li>at 600 V rated value</li> <li>2 A</li> <li>at 110 V rated value</li> <li>1 A</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 600 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> </ul> </li> <li>UL/CSA ratings</li> </ul>	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
• at 600 V rated value0.15 Aoperational current at DC-1310 A• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 600 V rated value0.15 A• at 600 V rated value0.15 A• at 125 V rated value1 A• at 220 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratings1 faulty switching per 100 million (17 V, 1 mA)	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A
operational current at DC-13• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 AContact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
• at 24 V rated value10 A• at 48 V rated value2 A• at 60 V rated value2 A• at 110 V rated value1 A• at 125 V rated value0.9 A• at 220 V rated value0.3 A• at 600 V rated value0.1 AContact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsfull-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 10 V rated value</li> <li>at 110 V rated value</li> <li>1 A</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> </ul>	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 40 V rated value • at 40 V rated value • at 20 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>1 A</li> <li>at 125 V rated value</li> <li>0.9 A</li> <li>at 220 V rated value</li> <li>0.3 A</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> </ul>	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 20 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A
• at 110 V rated value         1 A           • at 125 V rated value         0.9 A           • at 220 V rated value         0.3 A           • at 600 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         full-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A
• at 125 V rated value         0.9 A           • at 220 V rated value         0.3 A           • at 600 V rated value         0.1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           UL/CSA ratings         Image: Contact (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A
• at 220 V rated value     0.3 A       • at 600 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     Image: Contact of the second	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 10 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A
• at 600 V rated value     0.1 A       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       UL/CSA ratings     full-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 600 V rated value • at 110 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 10 A 6 A 3 A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         UL/CSA ratings       full-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 10 A 6 A 6 A 6 A 1 A 1 A 1 A 1 0 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1
full-load current (FLA) for 3-phase AC motor	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 220 V rated value • at 10 V rated value • at 10 V rated value • at 220 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 2 A 1 A 10 A 0.15 A 10 A 0.15 A
	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 25 V rated value • at 260 V rated value • at 270 V rated value • at 20 V rated value • at 600 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A 10 A 0.9 A 0.3 A 0.1 A
at 480 V rated value     21 A	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 600 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 200 V rated value	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A 10 A 0.9 A 0.3 A 0.1 A
	instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 24 V rated value • at 25 V rated value • at 260 V rated value • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 20 V rated value • at 60 V rated value • at 125 V rated value • at 600 V rated value • at 125 V rated value • at 600	1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 0.15 A 10 A 0.15 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1

● at 600 V rated value	22 A
• at 600 v rated value yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	2 hp
— at 230 V rated value	3 hp
• for 3-phase AC motor	Shp
- at 200/208 V rated value	5 bp
— at 220/200 V rated value	5 hp
	7.5 hp
— at 460/480 V rated value	15 hp
- at 575/600 V rated value	20 hp A600 / P600
contact rating of auxiliary contacts according to UL	A0007 P000
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	-0.400 A (000 ) ( 400 HA) -NA FO A (000 ) ( 400 HA) D000, 400 A (445
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)
— with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
	+/-180° rotation possible on vertical mounting surface; can be tilted
mounting position	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715
side-by-side mounting	Yes
height	85 mm
width	45 mm
depth	97 mm
required spacing	
with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
<ul> <li>for main contacts</li> </ul>	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
at AWG cables for main contacts	2x (16 12), 2x (14 8)
connectable conductor cross-section for main contacts	
• solid	1 10 mm²
stranded	1 10 mm²

finally stranded y	with core end processir	ng.	1 10 mm²			
	•	-				
contacts	tor cross-section for	auxilidi y				
<ul> <li>solid or stranded</li> </ul>	d		0.5 2.5 mm <sup>2</sup>			
<ul> <li>finely stranded y</li> </ul>	<ul> <li>finely stranded with core end processing</li> </ul>			0.5 2.5 mm²		
	type of connectable conductor cross-sections					
<ul> <li>for auxiliary con</li> </ul>						
— solid or stra			2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
— finely stranded with core end processing			2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )			
at AWG cables for auxiliary contacts			2x (0.5 1.5 mm), 2x (0.75 2.5 mm) 2x (20 16), 2x (18 14)			
AWG number as coded connectable conductor cross				,		
section						
• for main contacts			16 8			
<ul> <li>for auxiliary contacts</li> </ul>			20 14			
Safety related data						
product function						
<ul> <li>mirror contact a</li> </ul>	ccording to IEC 60947-	4-1	Yes			
B10 value with high de	emand rate according t	o SN 31920	450 000			
proportion of danger	rous failures					
<ul> <li>with low demand</li> </ul>	d rate according to SN	31920	40 %			
with high deman	nd rate according to SN	31920	73 %			
failure rate [FIT] with l 31920	ow demand rate accord	ling to SN	100 FIT			
T1 value for proof test IEC 61508	interval or service life	according to	20 у			
protection class IP o 60529	on the front according	to IEC	IP20			
touch protection on	the front according to	IEC 60529	finger-safe, for vertical c	contact from the front		
suitability for use						
ountability for abo						
<ul> <li>safety-related sv</li> </ul>	witching OFF		Yes			
-	-		Yes	_		
<ul> <li>safety-related sy</li> </ul>	5		Yes			
safety-related so Certificates/ approvals	5	Confirmatic		КС		
safety-related so Certificates/ approvals	5	Confirmatic		KC	cor	
safety-related so Certificates/ approvals	5	Confirmatic		KC	EAC	
safety-related so Certificates/ approvals	5	Confirmatic		KC	EAC	
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## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2026-1AL20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-1AL20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL20

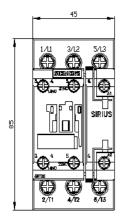
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

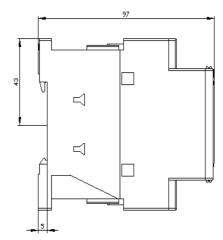
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2026-1AL20&lang=en

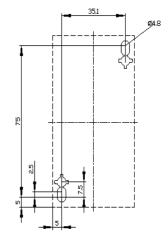
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

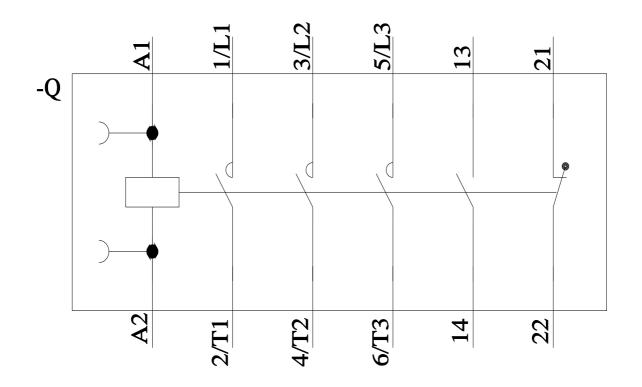
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-1AL20/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-1AL20&objecttype=14&gridview=view1









last modified:

6/2/2022 🖸